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## United States Department of Agriculture

### MONTHLY LIST OF PUBLICATIONS

SEPTEMBER, 1929

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A copy of any of the publications listed herein, except those otherwise noted, may be obtained free upon application to the United States Department of Agriculture, Washington, D. C., as long as the department's supply lasts.

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#### GENERAL PUBLICATIONS

##### FARMERS' BULLETINS

These bulletins discuss in nontechnical language a wide variety of subjects pertaining to the farm and farm home.

**Seed potatoes and how to produce them.** William Stuart, Bureau of Plant Industry. Pp. 18, figs. 7. (Farmers' Bulletin 1332 F., Revised) Price, 5¢.

A brief history of the potato production in U. S. from 1868 to 1927. Seed treatment, preparation and fertilization of the soil, cultural practices, harvesting, and storage are summarized.

**Beef-cattle production in the range area.** Virgil V. Parr, Bureau of Animal Industry. Pp. 44, figs. 20. (Farmers' Bulletin 1395 F., Revised) Price, 10¢.

A résumé of the various types of range available. Discusses the choice and improvement of ranching property, the selection of breeding stock, and the management of the breeding herd.

**Farmers' Bulletins Nos. 1551-1575.** Title page and table of contents. Pp. 8. Price, 5¢.

**Protection of log cabins, rustic work, and unseasoned wood from injurious insects.** R. A. St. George, Bureau of Entomology. Pp. 20, figs. 23. (Farmers' Bulletin 1582 F.) Price, 5¢.

Tells how to prevent or check practically all insect damage by cutting the trees at certain seasons and by treating the wood with preventive and remedial substances.

**Spring-sown red oats.** By T. R. Stanton and F. A. Coffman, Bureau of Plant Industry. Pp. 18, figs. 12. (Farmers' Bulletin 1583 F.) Price, 5¢.

Gives directions for making the growing of oats more generally profitable and lists the essentials for success in the production of red oats.

**Varieties of hard red winter wheat.** J. Allen Clark and Karl S. Quisenberry, Bureau of Plant Industry. Pp. 13, figs. 4. (Farmers' Bulletin 1585 F.) Price, 5¢.

Describes the more important varieties, with their histories, and tells where each is best adapted. Contains the latest available information for farmers producing hard red winter wheat.

**Trembles.** C. Dwight Marsh, Bureau of Animal Industry. Pp. 10, figs. 7. (Farmers' Bulletin 1593 F.) Price, 5¢.

A summary of facts regarding the disease, including descriptions of its cause, means of preventing it, and other essential facts.

Mountain beavers in the Pacific Northwest: Their habits, economic status, and control. Theo. H. Scheffer, Bureau of Biological Survey. Pp. 18, figs. 13. (Farmers' Bulletin 1598 F.) Price, 5¢.

Gives an account of the life history of the beaver, describes its feeding habits, and recommends methods for its control where necessary.

Collection and preservation of insects for use in the study of agriculture. Margaret C. Mansuy, Bureau of Entomology. Pp. 19, figs. 18. (Farmers' Bulletin 1601 F.) Price, 5¢.

Gives general information regarding the methods of securing and preserving illustrative material and also contains hints that may be useful to amateur collectors in caring for the specimens in their collections.

Reed canary grass. By H. A. Schoth, Bureau of Plant Industry. Pp. 10, figs. 5. (Farmers' Bulletin 1602 F.) Price, 5¢.

Describes the grass, its climatic adaptations, and soil requirements. Gives information concerning seeding and harvesting for hay. Experiments show value of grass for pasturage, silage, and soiling.

#### LEAFLETS

This series carries popular material of the same general character as that carried by the Farmers' Bulletins, except that the leaflets are confined to specific practical directions, recommendations, remedies, and methods. They are brief and concise, written in informal, popular style, and are limited to eight pages.

Pork in preferred ways. Lucy M. Alexander, Bureau of Home Economics and Bureau of Animal Industry, and Fanny Walker Yeatman, Bureau of Home Economics. Pp. 8, illus. (Leaflet 45 L.) Price, 5¢.

Includes recipes for preparing the most important cuts, together with suggestions for fruit and vegetable combinations particularly appetizing with pork. Recommends insertion of thermometer in the meat throughout cooking.

#### DEPARTMENT BULLETINS

The Department Bulletins are technical or scientific in nature and apply to a special crop, industry, or locality. This series ends with No. 1500, and is succeeded by the Technical Bulletin series. The editions are limited.

Forest planting in the Lake States. Joseph Kittredge, jr., Forest Service. Pp. 88, figs. 7, pls. 6. (Department Bulletin 1497 D.) Price, 20¢.

Outlines the essentials of an adequate planting policy for reforesting the 20,000,000 acres of denuded land in Minnesota, Wisconsin, and Michigan, based on a study of about 400 different forest plantations.

Timber growing and cutting practice in the lodgepole pine region. M. W. Thompson, Forest Service. Introduction by W. B. Greeley. Pp. 34, fig. 1, pls. 8. (Department Bulletin 1499 D.) Price, 15¢.

Presents the measures necessary to keep forest land productive and the preferred practices for obtaining fuller and more valuable timber crops in Montana, Wyoming, Colorado, Utah, southeastern Idaho, and northeastern Nevada.

#### TECHNICAL BULLETINS

The Technical Bulletins contain the results of scientific and research work applying to a special crop, industry, or locality. The editions are limited, as they are intended primarily for scientific workers and subject-matter specialists.

A study of the oil burner as applied to domestic heating. By Arthur H. Senner, Bureau of Public Roads. Pp. 84, figs. 37, pls. 2. (Technical Bulletin 109 T.) Price, 20¢.

Deals with the more technical phases of an investigation of a number of oil burners of different design. Tests indicate performance expected of various types, their adaptability and operating costs.

Arrow grass (*Triglochin maritima*) as a stock-poisoning plant. C. Dwight Marsh, A. B. Clawson, and G. C. Roe, Bureau of Animal Industry. Pp. 15, figs. 4. (Technical Bulletin 113 T.) Price, 5¢.

Describes the plant and cites two typical cases of stock poisoning. Discusses symptoms and duration of sickness and suggests remedies. The poisonous green plant loses its toxicity in drying.

Sleepy grass (*Stipa vaseyi*) as a stock-poisoning plant. By C. Dwight Marsh and A. B. Clawson, Bureau of Animal Industry. Pp. 20, figs. 5. (Technical Bulletin 114 T.) Price, 5¢.

Reviews history of cases of reported poisoning, describes the plant, and discusses the results of experimental work on cattle, horses, and sheep. The plant does not cause death.

Influence of freezing of seed potatoes on viability and yield. R. C. Wright, Walter M. Peacock and P. M. Lombard, Bureau of Plant Industry. Pp. 11, figs. 5. (Technical Bulletin 119 T.) Price, 5¢.

Of interest to growers and seed-potato dealers. Results are given of a number of experiments in which seed potatoes were frozen to different degrees of injury before planting.

**Development of runners and runner plants in the strawberry.** George M. Darrow, Bureau of Plant Industry. Pp. 28, figs. 14. (Technical Bulletin 122 T.) Price, 10¢.

Presents results of several studies dealing with different phases of runner and runner-plant production and development, together with a brief review of the information published on the subject.

**Breeding hard red winter wheats for winter hardiness and high yield.** By Karl S. Quisenberry and J. Allen Clark, Bureau of Plant Industry. Pp. 28. (Technical Bulletin 136 T.) Price, 5¢.

Discusses the importance of these wheats, describes the material and methods used in the tests, and the results of growing the hybrid material. Recommends various cultural practices to solve winterkilling problem.

#### CIRCULARS

This series carries the less technical and more informal material of the same general nature as that in the Technical Bulletin series.

**Work of the Newlands Field Station, Nevada, 1924-1927.** E. W. Knight, Bureau of Plant Industry. Pp. 32, figs. 4. (Circular 69 C.) Price, 10¢.

Touches upon the following principal points: Varietal and cultural tests of field crops; production of horticultural crops; experiments in the reclamation of alkali soils; and livestock experiments.

#### MISCELLANEOUS PUBLICATIONS

This series includes those publications of a miscellaneous nature which do not fall within any of the other series issued by the department, particularly those of a size other than octavo. Such publications were formerly issued as Miscellaneous Circulars.

**A history of agricultural education in the United States, 1785-1925.** By Alfred Charles True, Extension Service. Pp. 436, figs. 25. (Miscellaneous Publication 36 M.) Price, \$1.00. (*For sale only.*)

Covers the foundations of the American system of agricultural education, and its development as a definite movement; traces growth of agricultural colleges; and describes various Federal acts aiding agricultural education.

**Low-cutting devices for harvesting corn.** By Frank Irons and W. J. Parvis, Bureau of Public Roads. Pp. 36, figs. 81. (Miscellaneous Publication 56 M.) Price, 15¢.

Describes four makes of corn binders and a low-cutting hand hoe, made at little cost and developed as a result of exhaustive tests under a wide variety of field conditions.

**Directory of officials and organizations concerned with the protection of birds and game: 1929.** Compiled by Talbott Denmead and Frank G. Grimes, Bureau of Biological Survey. Pp. 12. (Miscellaneous Publication 57 M.) Price, 5¢.

Issued for convenient use by game-law enforcement officials, game and bird protection and conservation societies and organizations, and others desiring to procure information concerning game laws and game conditions generally.

#### SERVICE AND REGULATORY ANNOUNCEMENTS

Such notices of judgment, decisions, and instructions as are necessary in the enforcement of regulatory acts are contained in these announcements. They are issued monthly or as necessary by certain bureaus. *Free distribution* is limited to persons in the employ of the department, to public officials whose duties render it necessary for them to have such information, to journals especially concerned, and to manufacturers and firms whose business is affected by the announcements.

**Information, instructions, rulings, etc., for August, concerning the work of the Bureau of Animal Industry.** Pp. 69-76. September, 1929. (Service and Regulatory Announcement, Bureau of Animal Industry, No. 268.)

**Notices of judgment under the food and drugs act.** Compiled by the Food, Drug, and Insecticide Administration. Pp. 75-105. August, 1929. (N. J., F. D. 16151-16175.)

**Notices of judgment under the food and drugs act.** Compiled by the Food, Drug, and Insecticide Administration. Pp. 121-136. September, 1929. (N. J., F. D. 16201-16225.)

**Mediterranean fruit-fly quarantine.** Revision of quarantine and regulations. Notice of Quarantine No. 68 (Revised). Effective September 1, 1929. Pp. 11. (Plant Quarantine and Control Administration, Quarantine 68.)

#### SOIL SURVEYS

These reports consist of two parts: (1) A soil map in colors showing the extent and distribution of the different soils in the area covered by the survey; and (2) a printed report containing brief descriptions of the area, its climate and agriculture, and detailed descriptions of the soils. They are of interest and value primarily to residents of the area surveyed and to soil specialists. All requests for Soil Surveys are referred to the Bureau of Chemistry and Soils which controls their distribution.



Soil survey of the Chico Area, California. E. B. Watson and T. W. Glassey, U. S. Department of Agriculture, and R. Earle Storie and Stanley W. Cosby, University of California. Pp. 48, fig. 1, pls. 2, map. (No. 4, Series 1925.) Price, 15¢.

#### PERIODICALS

Agricultural situation. Vol. 13, No. 9. Pp. 24. September 1, 1929. Price, 5¢ a copy; 25¢ a year, domestic; 40¢ a year, foreign.<sup>1</sup>

A brief general summary of current conditions, including pertinent statistics relating to production, movement, consumption, and prices of the important farm products.

Climatological data. Vol. 16, No. 5. May, 1929.

In 42 sections, containing weather statistics for 42 separate sections, each corresponding, as a rule, to a State. Monthly information for 1 section is 50¢ a year; for data regarding all 42 sections, 35¢ a month, or \$4 a year.<sup>1</sup> Not for general distribution.

Clip sheet. Nos. 583-588. September 1, 8, 15, 22, 29; October 6, 1929.

Short interesting stories concerning the department and the application of new ideas and discoveries. Distribution limited to newspapers and other interested publications and to writers. Requests must state purpose for which it is to be used.

Crops and markets. Vol. 6, No. 8. August; No. 9. September. 1929. Price 5¢ a copy, 60¢ a year, domestic; 85¢ a year, foreign.<sup>1</sup>

Statistics concerning crops and livestock estimates and market information; reports on supplies, stocks, commercial movement, condition and prices of agricultural products; and studies of prices and demand, both foreign and domestic.

Daily weather maps. Limited editions. Not for general distribution.

Edition 1 contains forecasts for all States east of the Mississippi River, except Illinois, Wisconsin, Indiana, and Michigan. Editions issued at Washington, D. C., are 25¢ a month, \$2.50 a year. Edition 2 contains forecasts for the entire United States; 30¢ a month, \$3 a year. Neither edition furnished in quantities unless the order is placed with the Superintendent of Documents, in advance of issue. Maps DD, E, and CM, showing the weather conditions and forecasts, are issued at numerous stations throughout the United States; 20¢ a month, \$2 a year.<sup>1</sup>

Experiment station record. Vol. 61, No. 2, August, 1929. Price, 10¢.

— Vol. 61, No. 3, August, 1929. Abstract Number. Price, 10¢.

A technical review of the world's scientific literature pertaining to agriculture, each volume containing about 3,500 abstracts of current research. Two volumes a year, of 10 numbers each; 75¢ a volume, domestic; \$1.25 a volume, foreign.

Journal of agricultural research. Vol. 38. Index. January 1-June 15, 1929. Price, 5¢.

— Vol. 39, No. 5. illus. September 1, 1929. Price, 20¢ a copy; \$4 a year, domestic; \$5.25 a year, foreign.<sup>1</sup>

Of primary interest to agricultural scientists and advanced students only. Issued in 2 volumes a year, of 12 numbers each.

Monthly weather review. Vol. 57, No. 5. Pp. 179-229, illus. May, 1929. Price, 15¢ a copy; \$1.50 a year, domestic; \$2.25 a year, foreign.<sup>1</sup>

Contains (1) meteorological contributions and bibliography, (2) weather charts for the month with an interpretive summary, and (3) climatological tables.

The Official Record. Vol. 8, Nos. 36-39. September 5, 12, 19, 26. 1929. Price, 5¢ a copy; 50¢ a year, domestic; \$1.10 a year, foreign.<sup>1</sup>

Contains official orders and miscellaneous information concerning the department's activities and such other matter as should be brought to employees' attention.

Public roads. Vol. 10, No. 6. Pp. 101-116. August, 1929. Price, 10¢ a copy; \$1 a year, domestic; \$1.50 a year, foreign.<sup>1</sup>

Makes available to road builders the results of investigations relating to the physical and economic problems of road building.

Weather outlook. Limited edition. Not for general distribution.

Prepared at and distributed from the following forecast centers of the Weather Bureau: Washington, D. C., New Orleans, La., Chicago, Ill., Denver, Colo.; and San Francisco, Calif.

Weekly weather and crop bulletin. Not for general distribution.

Gives detailed weather conditions of preceding weeks and their effect on development of crops and farm operations. Limited edition.

<sup>1</sup> Payable to the Superintendent of Documents, Government Printing Office, Washington, D. C.